Food delivery app : data analysis

1. Find customers who have never ordered

select name from users where user\_id not in (select user\_id from orders);

2. Average Price/dish

select f\_name as FoodName, round(avg(price),0) AS avg\_price

from foodlist join menu on foodlist.f\_id = menu.f\_id group by f\_name order by avg(price);

3. Find the top restaurant in terms of the number of orders for a given month

select r\_name , count(order\_id) AS TotalOrders

from orders join restaurants on orders.r\_id = restaurants.r\_id

where date between '2022-06-01' AND '2022-06-30'

group by r\_name

order by TotalOrders DESC ;

or

select r.r\_name, count(\*) AS 'month'

from orders o join restaurants r

on o.r\_id = r.r\_id

where monthname(date) like 'June'

group by o.r\_id

order by count(\*) desc limit 1;

4. restaurants with monthly sales greater than x for

SELECT r.r\_name, SUM(o.amount) AS 'revenue'

FROM orders o

JOIN restaurants r ON o.r\_id = r.r\_id

WHERE MONTHNAME(o.date) LIKE 'June'

GROUP BY r.r\_id, r.r\_name

HAVING revenue > 500

LIMIT 0, 1000;

5. Show all orders with order details for a particular customer in a particular date range

select o.order\_id, od.f\_id, o.date, r.r\_name, f.f\_name, o.amount

from orders o join restaurants r on r.r\_id = o.r\_id

join order\_details od on o.order\_id = od.order\_id

join foodlist f on f.f\_id = od.f\_id

where user\_id = (select user\_id from users where name like 'Ankit')

and date between '2022-06-01' and '2022-07-31';

6. Find restaurants with max repeated customers

select r.r\_name, count(\*) as 'Repeated\_Customers'

from (select r\_id, user\_id, count(\*) AS 'Visits'

from orders group by r\_id, user\_id

having visits > 1) t

join restaurants r on r.r\_id = t.r\_id

group by r.r\_name

order by Repeated\_Customers

desc limit 1;

7. Month over month revenue growth of swiggy

SELECT month, round(((revenueg - prev) / prev) \* 100,2) AS growth\_percentage

FROM (

WITH sales AS (

SELECT MONTHNAME(date) AS month,

SUM(amount) AS revenueg

FROM orders

GROUP BY MONTH(date), MONTHNAME(date)

ORDER BY MONTH(date)

)

SELECT month,

revenueg,

LAG(revenueg, 1) OVER (ORDER BY MONTH(STR\_TO\_DATE(month, '%M'))) AS prev

FROM sales

) t;

8. Customer - favorite food

WITH temp AS(

select o.user\_id, od.f\_id, count(\*) AS Order\_Count

from orders o join order\_details od on o.order\_id = od.order\_id

group by o.user\_id, od.f\_id

)

select u.name, f.f\_name, t1.Order\_Count from temp t1

join users u on u.user\_id = t1.user\_id join foodlist f on f.f\_id = t1.f\_id

where t1.Order\_Count = (select max(Order\_Count) from temp t2 where t2.user\_id = t1.user\_id);

9. Find the most loyal customers for all restaurant

select r.r\_name, u.name, count(\*) AS 'Visits'from

orders o join restaurants r on o.r\_id=r.r\_id

join users u on o.user\_id = u.user\_id

group by r.r\_name, u.name

having Visits > 1

order by Visits desc;